



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

PUBLICATIONS  
OF THE  
ASTRONOMICAL SOCIETY  
OF THE PACIFIC.



---

VOLUME X.  
NUMBER 61.  
1898.

---

SAN FRANCISCO  
PRINTED FOR THE SOCIETY.  
1898.

[Entered at Post Office at San Francisco, Cal. as second-class mail matter.]

OFFICERS OF THE SOCIETY.

Mr. R. G. AITKEN . . . . .	<i>President</i>
Mr. C. B. HILL . . . . .	<i>First Vice-President</i>
Miss R. O'HALLORAN . . . . .	<i>Second Vice-President</i>
Mr. F. H. SEARES . . . . .	<i>Third Vice-President</i>
Mr. C. D. PERRINE } . . . . .	<i>Secretaries</i>
Mr. F. R. ZIEL } . . . . .	
Mr. F. R. ZIEL . . . . .	<i>Treasurer</i>
<i>Board of Directors</i> —Messrs. AITKEN, HILL, KEELER, MOLERA, Miss O'HALLORAN, Messrs. PERRINE, PIERSON, SEARES, ST. JOHN, VON GELDERN, ZIEL.	
<i>Finance Committee</i> —Messrs. PIERSON, VON GELDERN, HILL.	
<i>Committee on Publication</i> —Messrs. AITKEN, SEARES, VON GELDERN.	
<i>Library Committee</i> —Messrs. SEARES, GEO. C. EDWARDS, Miss O'HALLORAN.	
<i>Committee on the Comet-Medal</i> —Messrs. SCHAEFERLE ( <i>ex-officio</i> ), PIERSON, BURCKHALTER.	

OFFICERS OF THE CHICAGO SECTION.

*Executive Committee*—Mr. RUTHVEN W. PIKE.

OFFICERS OF THE MEXICAN SECTION.

*Executive Committee*—Mr. FRANCISCO RODRIGUEZ REY.

NOTICE.

The attention of new members is called to Article VIII of the By-Laws, which provides that the annual subscription, paid on election, covers the *calendar* year only. Subsequent annual payments are due on January 1st of each succeeding calendar year. This rule is necessary in order to make our book-keeping as simple as possible. Dues sent by mail should be directed to Astronomical Society of the Pacific 319 Market Street, San Francisco.

It is intended that each member of the Society shall receive a copy of each one of the *Publications* for the year in which he was elected to membership and for all subsequent years. If there have been (unfortunately) any omissions in this matter, it is requested that the Secretaries be at once notified, in order that the missing numbers may be supplied. Members are requested to preserve the copies of the *Publications* of the Society as sent to them. Once each year a title-page and contents of the preceding numbers will also be sent to the members, who can then bind the numbers together into a volume. Complete volumes for past years will also be supplied, to members only, so far as the stock in hand is sufficient, on the payment of two dollars per volume to either of the Secretaries. Any non-resident member within the United States can obtain books from the Society's library by sending his library card with ten cents in stamps to the Secretary A. S. P., 819 Market Street, San Francisco, who will return the book and the card.

The Committee on Publication desires to say that the order in which papers are printed in the *Publications* is decided simply by convenience. In a general way, those papers are printed first which are earliest accepted for publication. It is not possible to send proof sheets of papers to be printed to authors whose residence is not within the United States. The responsibility for the views expressed in the papers printed rests with the writers, and is not assumed by the Society itself.

The titles of papers for reading should be communicated to either of the Secretaries as early as possible, as well as any changes in addresses. The Secretary in San Francisco will send to any member of the Society suitable stationery, stamped with the seal of the Society, at cost price, as follows: a block of letter paper, 40 cents; of note paper, 25 cents; a package of envelopes, 25 cents. These prices include postage, and should be remitted by money-order or in U. S. postage stamps. The sendings are at the risk of the member.

Those members who propose to attend the meetings at Mount Hamilton during the summer should communicate with "The Secretary Astronomical Society of the Pacific" at the rooms of the Society, 819 Market Street, San Francisco, in order that arrangements may be made for transportation, lodging, etc.

PUBLICATIONS ISSUED BI-MONTHLY.

(February, April, June, August, October, December.)

